DXpedition News

Madagascar - 5R JH8JWF will operate until Oct. 27, following his 20-meter single-band entry in CQWW SSB. Try 7005, 7008, 14025, 14035, 18075, 21025, 21035, 24895, 28025, and 28035 kHz on CW, and 7045, 7075, 14195, 14235, 18135, 21295, 21335, 24935, 28495, and 28435 kHz on SSB. 7K1PGO will remain in Madagascar to the end of November, but operating time may be limited. QSL to Box 288, Sapporo 060-91, Japan. (Japan DX News.)

Trindade - PYØT Alberto PY3ASN is active as **PYØTSN** until the first week of December, on 80-6 meters, SSB only. Transmit/receive frequencies: 3785/3795, 7060/7070 or 7180, 14190/14220-220, 18140/18150, 21290/21300-320, 24970/24980, 28490/28500-520 kHz. QSL home call (with new postal code of 90650-000), direct preferred, with SAE and IRCs or US$1.

Edited by Chod Harris VP2ML

The DX Bulletin

America's Premier Weekly Amateur Radio Publication

CQWW SSB Contest Operations

- **4J1FM** will be the contest call of the current M-V Island operation. They'll use **4J1FM** on CW, and **4J1FW** on SSB before the test. QSL direct to OH2LVG.
- **WB7RFA/KH8** will be an all-band, single-op entry by Craig Maxey; QSL via home call.
- **V31VV, V31ZZ,** and **V31DX** will be active to Oct. 31, including a multi-op entry in the contest. They'll be on six meters as well. QSL as directed.
- **JW5E** will be a multi-single entry, with LA5NM, JW7FD, and JW6VDA operating. 80-10 meters (there is no SSB 160-meter allocation in JW). QSL LA5NM.
- **ZW5B** will be a 40-meter single-band entry from Brazil, with PY5EG operating. QSL PY5EG.
- **PR5T** will be a 20-meter single-band entry, by KJ3A.
- **ZV5A** is a 15-meter single-band entry, operated by N5FA.

Shortly Noted

- The **KH2Y** CQWW SSB multi-multi has been canceled, due to a serious illness. Jun Tanaka JH4RHF will be active as **KH2S** in the CW test, as a multi-single.
- **4U1ITU** will be active Oct. 30-Nov. 1 on SSB, with Jurgen DL1IAI and Christian DL1UW at the mike. QSL to DL1IAI. (DX-NL.)
- **3D2?** Sigi DJ4IJ is in Fiji for a couple of days, and will try to get on the air. He also travels to **Micronesia V6,** where he will operate as **V63SS.** QSL home call. (DX-NL.)
- **FG/W6JKV** is Jim Oct. 23-Nov. 9, concentrating on 6 and 2 meters, including EME. Check 28885 kHz for more info.
- **ZF2QA/ZF8** is Duncan Kreamer W1GAY, Nov. 13-15, on 80-10 meters, SSB only. QSL home call.
- **5X5MB** is Mario, who previously signed 5X5WR/A, and whose operations were **not** accepted for DXCC credit. QSL via DJ5RT.
- **R/US** callsigns are Russian amateurs who hold US amateur licenses, during October; ie: **R/AA7LN.**
- **BY4?** is DJØLC for the next six weeks; try 20 kHz up on CW. He is consulting for the Chinese Radio Assn.
- **ZK1IF** Nov. 15-18 in the South Cooks is Mike Parker G4IUF, who will first visit New Zealand. Other stops include **5W1VL** and **KH8/N6SVL** Nov. 18-22 and **3D2UF** Nov. 22-25, before returning to New Zealand. (DXNS.)
- **LX/PA3---** callsigns will be active Nov. 4-11, as the Dutch Amateurs Going On Expedition (DAGOE) operates from Bech, in Luxembourg. They offer a free award for working (or hearing) three members of the group. (See page 2.)
- **TZ6NU** has been noted on 14200± kHz at 2230Z; he will give CW contacts on request; QSL F6FNU.
- **SSB Nets:** check-ins: **14227**: (11,22Z) ZD7XY ZD7CRC P29BT 5N32HKC JX3EX V85AA HV4NAC UVØEX ZS2DL CR6BX TR8JH VK6LC V73EX J5UAI T3ØDP C21BR 9M8DB; **14236**: (03Z) TL8NL T32LN FY4GA TZ6NU VP8ON 6W1PZ HC8GR; **14256:** (2330Z) VP8CDC JW5NM V73IO 5N32HKC J5AAB 8R1AR VP8CGK (SG) VP8CKC (SO) VP8CFM (SO); **21335**: (14Z) VU2NTA ZA1FD.
- **RTTY: CN8NP** is often on 14088 kHz at 2100Z. Spots: **BY1QH** 14082 1241Z; **YI1BGD** 21082 1420Z; **9A1CRT** 21081 1430Z; **JX7DXA** 14083 1710Z; **CEØZAM** 14088 0200Z; **3A2EE** 14089 0640Z; **S21ZF** 14085 1700Z; **YN5JAR** 21085 2200Z; **9X5LJ** 14073 2130Z.
- **Islands On The Air:** Bob Stewart **KW2P** will operate from Islamorada (NA-062) Nov. 5-16, on the IOTA frequencies (14260, 21260, and 28460 kHz), and on CW. **WJ2O/KP4** will operate from (NA-099) Nov. 18-Dec. 2, on 160-10 meters, mostly CW. he'll be in the ARRL SS and CQWW CW tests. **K8SCH/ØCK** will operate from Okracoke Island (NA-067) to Oct. 25, on the IOTA frequencies, and 14195, 21295, and 28450 kHz on SSB, and 25 kHz up on CW. QSL via N8FU.

Propagation

Forecast and Historical Data

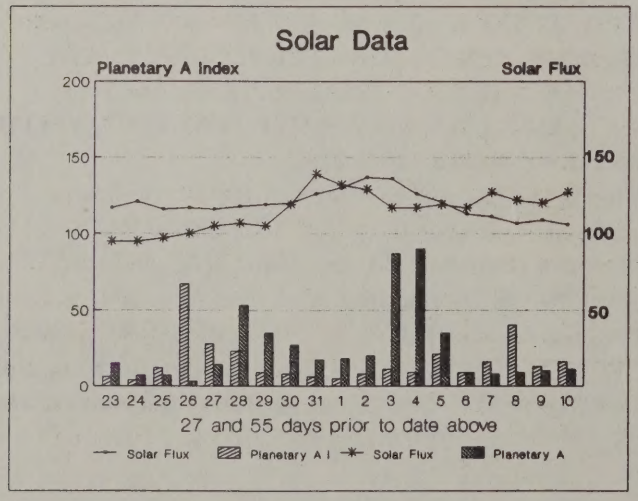
Day	Forecast	27 Days Before				55 Days Before			
October 1992		Date	Flux	A	K	Date	Flux	A	K
23	High Normal	09/26	117	06/06	1	08/29	95	05/15	1
24	High Normal	09/27	121	03/04	1	08/30	95	04/07	1
25	Low Normal	09/28	116	09/12	2	08/31	97	01/07	1
26	Disturbed	09/29	117	54/67	3	09/01	100	01/03	1
27	Disturbed	09/30	116	27/28	4	09/02	105	16/14	3
28	Low Normal	10/01	118	21/23	3	09/03	107	50/53	3
29	Above Normal	10/02	119	11/09	2	09/04	105	31/35	3
30	Above Normal	10/03	120	05/08	2	09/05	119	28/27	3
31	Above Normal	10/04	126	06/06	1	09/06	139	17/17	3
November 1992									
1	Above Normal	10/05	130	03/05	1	09/07	132	22/18	3
2	Above Normal	10/06	137	07/08	1	09/08	129	19/20	2
3	High Normal	10/07	136	10/11	1	09/09	117	58/87	4
4	High Normal	10/08	126	07/09	2	09/10	117	72/90	3
5	Low Normal	10/09	121	17/21	3	09/11	119	24/35	2
6	High Normal	10/10	113	09/09	1	09/12	117	04/09	1
7	High Normal	10/11	111	14/16	3	09/13	127	04/08	2
8	Disturbed	10/12	107	32/40	2	09/14	122	07/09	2

Propagation Watch

Who says Sunspot Cycle 22 is dead? Any DXer on the bands the weekend of Oct. 10-11 will testify that there is plenty of life left in Cycle 22. While 10 meters didn't open worldwide, it did offer a wide range of long-haul contacts, while other bands provided long-path and polar-path openings.

Unfortunately, the great band conditions were short-lived, as a minor geomagnetic storm beginning Oct. 12 took its toll on the bands. However, the minor storminess didn't eliminate the DX, but only reduced signal strengths, and increased noise levels. The persistent DXer could still find plenty of choice DX on several bands.

There is a good chance of increasing geomagnetic activity, beginning this weekend. There may be some flare activity during the contest, especially from Sunspot Region 7316; be prepared for short-lived disturbances. The main geomagnetic effects of any flares over the weekend will probably not be noticed until Monday Oct. 26, but Saturday should be a better day than Sunday for long-haul and long-path contacts. Good hunting!



Equatorial Guinea 3C DXpedition

A frequent visitor to Equatorial Guinea is organizing a multi-operator DXpedition to 3C, in January. With air fare, hotel, meals, local transportation, license fees, etc., cost for the 13-day trip will be about US$7,500 per person. Anyone interested in operating from this African location should contact The DX Bulletin as soon as possible.

DX Awards

▪ The **DAGOE** award is available free of charge from the Dutch Amateur Going on Expedition group (see page 1). Work three members of the group while they are active from Luxembourg Nov. 4-11, in any combination: same amateur on three bands, three different stations, etc. QSLs cards must be exchanged, but are not required to be submitted for the award. Send log extract to DAGOE Foundation, P. O. Box 356, Dordrecht, The Netherlands.

▪ The Radio Society of Bermuda offers two awards for working VP9 stations. The **Worked All Bermuda** award is a reproduction of an antique map of Bermuda, earned by making contacts with amateurs in all nine parishes. The **Bermuda 100** award is an engraved plaque earned by having contacts with 100 Bermuda stations. For more information, contact the Society at P. O. Box HM 275, Hamilton HM AX, Bermuda. Try the Bermuda Net on 14275 kHz at 1230Z Sundays. (Thanks WB2YQH.)

▪ The **Portuguese Islands Award** is available to amateurs making contacts with a minimum of 10 Portuguese islands after Jan. 1, 1985. The award is endorsed for 15, 20, etc. No QSLs; GRC list and US$5 or 7 IRCs to Award Manager José Alexandre Barnosa CT1DIZ, Rua Serra de Baixo 66, 2726 Algueirao, Portugal. [A copy of the rules and island list is available from The DX Bulletin for an SASE.]

Contributors

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Substitute 3526

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B • A • N • D • P • A • S • S

S	M	T	W	T	F	S
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
1	2	3	4	5	6	7

*Key to Bandpass: Callsign, frequency, UTC, day of the month, state. * = long path. P = packet.*
All "portable" calls listed with country of operation first, regardless of format used on the air.

RTTY

3C1EA	21088	1721	11	FL
7Q7XX	28083	1418	17	FL
CN8NP	14089	2300	11	FL
EA9KQ	14091	2131	11	FL
FP5HL	21088	1839	11	FL
FR5ZU/E	14085	0332	11	FL
VP8CFM	14087	0011	7	MN
VP8CIL	14090	2146	13	FL
VQ9CR	14086	2043	14	FL

160 Meters

FG5BG	1828	0350	13	KS
HBØ/ HB9NL	1831	0231	10	MA
HH2PK	1827	0420	5	AL
KH6CC	1834	0440	13	KS

80 Meters

6W6JX	3501	0030	12	IA
6W6JX	3500	1337	10	CZ
A22MN	3510	0405	12	IA
HBØ/ HB9NL	3505	0202	11	FL
HFØPOL	3504	1045	6	NH
JA1HQT	3501	0950	6	NH
VP8GAV	3503	0103	17	FL
ZL1AIZ	3502	1046	10	WV
ZS1JX	3502	0222	10	MA

75 Meters

P29CW	3799	1240	6	IA
VK6LK *	3798	2155	7	MA
YN1MAT	3794	1013	11	NS

40 Meters

3B8CF *	7007	1400	12	CA
4LØFWW	7007	0110	7	GA
5N32ZKJ	7006	2116	6	VA
7Q7XX	7002	0150	13	KS
9J2BO	7005	0410	7	IA
9X5HG	7003	0105	8	MA
A22MN	7015	0405	13	IA
C9RJJ	7016	0320	11	FL
HFØPOL	7006	0036	17	FL
HJØVGJ	7013	0300	11	CZ
JD1/ JA1KJW	7006	1120	8	KS
JY5HH	7003	2207	13	FL
TF3CW	7006	2230	7	VA
TR8NSY	7011	0101	15	FL
UJ8JI	7003	2224	8	VA
UJ8JI *	7003	1356	10	ID
VI150SYD	7008	1135	9	VA
VU2TSJ	7003	0053	15	FL
Z21CA	7007	0425	12	CA

30 Meters

3B8CF	10106	0300	14	FL
4J4GAT	10111	2216	8	NH
7P8SR	10105	0235	11	MN
7Q7XX	10105	0036	13	MN
FK8GJ	10105	0620	12	KS
OD5/ SP7LSE	10106	2228	8	NH
VK6BN	10102	1249	10	MN
VK6HD	10105	2342	11	FL

20 Meter CW

3B8FG	14019	0319	11	FL
4K1YAR	14023	0214	10	MN
4LØFWW	14012	0405	9	CA
4S7NE	14009	0125	11	GA
5N32ZKJ	14014	2156	11	FL
7P8FE	14023	2123	11	FL
7P8SR	14037	0017	10	CO
7Q7TA	14021	0002	10	MN
9K2MU	14023	0249	9	CO
9M2NA	14012	1543	7	MN
C9RJJ	14029	2007	6	VA
CN8ST	14016	2152	13	FL
HSØZAA	14026	1713	10	OR
J28FO	14020	0130	11	GA
JT1CS	14028	0125	8	GA
JU83ØC	14008	1306	17	FL
OD5/ SP1MHV	14027	0218	8	UT
PZ1DY	14026	0003	9	NY
TF3CW	14012	2310	17	FL
TL8DF	14029	2259	9	NH
TL8GR	14018	2158	11	FL
TR8NSY	14018	2217	12	FL
TZ6NU	14034	1930	11	GA
UAØQGM	14008	1305	8	MI
UC2AKP	14029	1411	13	ID
UI9BWX	14012	1245	13	MN
UJ8JA	14010	0239	9	CO
UJ8JI	14002	1517	8	NH
UL7CM	14018	1222	11	FL
UL7OB	14027	0300	11	CA
UM8DX	14005	0335	9	SC
V73CT	14033	0330	16	MN
VP8CDK	14005	0053	16	FL
VQ9AC	14018	1516	10	ID
VQ9QM	14037	1600	12	CA
VU2PCD	14011	1352	10	ID
YN/ SMØOIG	14011	2309	9	NH
YN1CC	14029	0509	9	UT
ZA1M	14016	0840	11	GA

20 Meter SSB

4S7RO	14169	1236	7	MD
7X2BK	14256	1810	8	WA
9K2GS	14195	0305	7	OH
CN8US	14244	0150	11	GA
FR5DX	14182	0250	8	KS
HZ1AB	14186	0430	9	CA
J28GG	14256	1820	7	WA
JX3EX	14260	2243	7	WI
JX9EHA	14236	1720	8	WA
KC4AAA	14289	0229	6	MA
PYØTSN	14191	0055	12	IA
S21A	14256	1841	7	WA
S92LS	14177	2215	13	MN
TU4EF	14241	0146	11	GA
TZ6NU	14263	0238	11	GA
VQ9AC	14247	2112	9	NS
VU2AU	14200	1150	10	FL
VU2RAK	14185	0137	10	MN
ZD7XY	14195	2332	6	NB

17 Meter CW

3XØHNU	18074	1600	11	MN
4K1YAR	18069	1450	8	NH
4U47UN	18080	2315	8	TX
7P8SR	18069	1842	11	MN
A22MN	18074	1943	10	NH
HZ1AB	18089	1512	17	MN
VQ9QM	18085	1702	17	MN
ZA1C	18071	1704	10	MN

17 Meter SSB

7X2BK	18117	1824	11	MN
HZ1AB	18137	1750	8	NS

15 Meter CW

4U47UN	21014	2250	8	NH
5H3YT	21030	1845	7	NY
7Q7XX	21012	1318	11	FL
9V1YC	21025	0015	8	GA
BV2FA	21010	0115	9	GA
BY4RB	21020	0040	14	MN
BY9GA	21027	0100	9	GA
C9RJJ	21028	1723	12	CA
HJØVGJ	21027	2012	8	VA
JT1BR	21015	0055	9	GA
PZ1DY	21029	1702	6	NH
SV5TH	21015	1134	6	VA
TF3GCN	21022	1837	9	VA
VQ9AC	21008	1840	8	CO
VR2GC	21005	0115	8	OH
Z21GC	21021	1909	8	VA

15 Meter SSB

4O4XR	21315	1254	12	GA
5R8AB	21260	1807	7	WI
9K2JC	21260	1608	8	WI
9X5HG	21218	1825	10	MN
D44BC	21254	1920	8	CO
J28GG	21355	1856	7	WA
JW5NM	21291	1228	8	NS
S79KMB	21327	1743	7	WI
SV5TS	21263	1457	8	VA
TR8JWH	21244	1924	8	WI
TZ6NU	21203	1806	10	MN
VR6ID	21289	1715	11	ID
YI1BGD	21227	1710	8	WI
ZC4ML	21326	1320	7	NJ

12 Meter CW

3XØHNU	24901	1523	11	TX
5N32ZKJ	24897	1639	8	NS
5R8AB	24913	1530	6	NH
7Q7XX	24896	1735	11	KS
9K2MU	24903	1527	9	NH
SVØHS/5	24895	1523	9	NH
VQ9QM	24908	1530	17	MN
YN/ SMØOIG	24905	1522	10	MN
ZA1F	24900	1640	10	MN
ZD8LII	24897	1902	17	MN

12 Meter SSB

7X2DG	24937	1812	11	WI
9J2AD	24947	1738	10	NS
9M2AX	24950	0206	9	CA
CN8MC	24957	1706	10	MN
FR5DX	24938	1354	10	NS
OD5/ SP7LSE	24930	1436	8	MN
SU1AL	24940	1403	10	NS
ZD8Z	24960	1420	17	MN

10 Meter CW

5Z4TT	28017	1826	10	MO
6W6JX	28010	1354	10	NH
7P8FE	28025	1514	11	MN
7P8SR	28027	1532	12	GA
7Q7XX	28003	1326	10	MO
9J2BO	28015	1240	11	MN
A22MN	28025	1810	10	MN
C9RJJ	28013	1427	10	MN
CN8ST	28027	1703	11	MN
HFØPOL	28010	1420	9	IA
PZ1DY	28026	1525	10	MN
VP8GAV	28015	1705	10	IA
VQ9QM	28029	1610	10	IA
XQØYAF	28010	1735	10	IA
YS1DRF	28001	1756	10	MO
Z21HS	28010	1329	10	MO

10 Meter SSB

3B8GA	28450	1259	7	NS
5R8AB	28546	1730	7	AZ
7X2DG	28463	1740	11	CA
BV3BV	28500	0017	9	CO
C9RJJ	28432	1609	10	CA
CN8CH	28515	1354	11	MN
D44BC	28464	1725	11	CO
EA9IB	28480	1801	11	CO
FR5ZN	28460	1250	7	NS
J28BG	28480	1140	8	NS
KH3AF	28480	1923	6	VA
P29KH	28505	2040	7	VA
PZ1DY	28028	1356	17	MN
TL8NG	28495	1345	7	IA
TU2PA	28406	1530	11	IA
TU2ZC	28350	1352	11	MN
TZ6VV	28452	1424	6	NS
VK9ND	28477	0015	9	IA
VP8CKC	28540	1400	9	IA
VR6BX	28430	2130	11	KS
YB3OSE	28486	0023	9	CO
ZD7DP	28527	1735	10	MN
ZD7SM	28535	1955	11	IA
ZD8LII	28492	1400	11	MN

Issue 660 - October 23, 1992

Current and Future DXpeditions

(Changes and hot info in **boldface**.)

DXCC Country	Prefix	Callsign	Dates	Issue
Anguilla	**VP2E**	**VP3EX**	**Oct. 20-27**	**I657**
Antarctica	KC4AAF		to Feb. 1	I659
Antigua	**V29YS**	**JAs**	**Oct. 21-28**	**I657**
	V2/G6QQ		**Oct. 14-Nov. 4**	**I657**
Aruba	**P4**	**P4ØW**	**CQWW SSB/CW**	**I657**
Ascension Island	**ZD8**	**ZD8Z**	**Oct. 13-28**	**I656**
Bahamas	**C6**	**C6AFT**	**CQWW SSB**	**I655**
		C6AHI	**Oct. 19-23**	**I658**
Bangladesh	**S2**	**S21A**	**20/15M SSB 1600Z**	**I647**
Barbados	**8P**	**8P9DR**	**Oct. 26-Nov. 3**	**I656**
Belize	**V3**	**V31DX**	**Oct. 20-25**	**I657**
British Virgins	**VP2V/WA2VUY**		**CQWW SSB**	**I656**
Cayman Islands	**ZF**	**ZF2RJ**	**CQWW SSB 40M**	**I656**
	ZF2QA/ZF8		**Nov. 13-15**	**I660**
Chad	**TT8/**	**WA4OBO**	**Mid-Oct.**	**I654**
China	**BY**	**BY1BJ**	**CQWW SSB/CW**	**I657**
Cocos Island	TI9	TI9JJP	Nov. 1-11	I658
Easter Island	**CEØY/SMØAGD**		**Oct. 28-Nov.5**	**I658**
Fernando de Noronha		**/PYØF**	**Oct. 30-Nov. 3**	**I659**
Fiji	**3D**	**3D2BG**	**Nov. 1-11**	**I658**
		by DJ4JI	**Now?**	**I660**
		3D2UF	**Nov. 22-25**	**I660**
French Polynesia	**FO/**	**F6HWU**	**Oct. 16-Nov 16**	**I657**
Galapagos	**HC8**	**HC8A**	**CQWW SSB**	**I655**
Glorioso	**FR/G**	**FR5AI/G**	**Oct. 15-Nov.30**	**I659**
Grenada	**J3**	**J37L**	**Oct. 21-27**	**I657**
Guadeloupe	**FG/**	**W6JKV**	**to Nov. 9**	**I660**
ITU Hq.		**4U1ITU**	**Oct. 30-Nov. 1**	**I660**
Laccadives	**VU7**	**/VU2CVP**	**Oct. 17-24**	**I659**
Luxembourg	**LX/**	**PA3s**	**Nov. 4-11**	**I660**
Madagascar	**5R**	**JH8JWF**	**to Oct. 27**	**I660**
Malyj Vysotskij	**4J1FW/M**		**Oct. 22-26**	**I657**
Minami Torishima		JD1/JJ1ZNF	to Nov.	I654
		JA9IPX/JD1	**to Jan. 14**	**I659**
Papua New Guinea		**P2ØA**	**CQWW SSB**	**M/S I654**
St. Martin	**FS**	**FS/AI7B**	**CQWW SSB/CW**	**I657**
Senegal	**6W**	**6V6U**	**CQWW SSB**	**I657**
Seychelles	**S7**	**S79IDY**	**Oct. 21-26**	**I658**
Singapore	**9V**	**9V1XE**	**to Dec. 31**	**I659**
South Cooks	**ZK**	**ZK1IF**	**Nov. 15-18**	**I660**
South Shetlands	**HFØPOL low bands**		**0130-0430Z**	**I656**
Sri Lanka	**4S**	**4S7DEG**	**Oct. 7-30**	**I656**
Trindade	**PYØ**	**PTØTSN**	**to Dec. 5**	**I660**
Turks and Caicos		**VP5O**	**Oct. 20-27**	**I654**
Uganda	5X	5X5WR	late Nov.	I657
		5X5MB	**now**	**I660**
Vietnam	XV	XV7TH	21295 1300Z	I656
Wallis Island	**FW/**	**G4DZC**	**Oct. 20-27**	**I655**
		FW/KG7XE	Oct. 28-Nov. 4	I656

Operating Events and DX Gatherings

Dates	Event	Reference:
Oct. 24-25	CQWW SSB Contest	CQ
Nov. 13-15	Japan International DX SSB	DX Mag Nov.
Nov. 14-15	Worked All Europe RTTY	CQ
Nov. 28-29	CQWW CW Contest	CQ

Resident Amateurs on Regularly

DXCC Country	Callsign	Freq.	UTC
Antarctica	4K1YAR	14024	0200Z
Antarctica	VP8GAV	28020±	1700Z
Botswana	A22MN	40M CW	0400Z
Chagos	VQ9AC	14025±	1500Z
Georgia	4LØFWW	20M CW	0400Z
India	VU2RAK	14180±	0130Z
Kuwait	9K2GS	14195	0300Z
Lebanon	SP7LSE/OD5	10104	2230Z
Lesotho	7P8SR	10M CW	1500Z
Lesotho	7P8SR	14040±	0000Z
Lesotho	7P8FE	28025	1500Z
Moldava	UO5OLW	18072	1130Z
Mongolia	JT1CS	14028	0130Z
Mozambique	C9RJJ	14026±	2000Z+
Mozambique	C9RJJ	28010±	1430-17Z

The DX Bulletin

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DXCC Country	Callsign	Freq.	UTC
Papua New Guinea	P29CW	3796±	1245Z
Pitcairn Island	VR6BX	28435±	2130Z
Portugal	CT4DX	3505±	0500Z
Rwanda	9X5HG	7005±	0100Z
San Andrés	HJØVGJ	21027	2000Z
Senegal	6W6JX	3503±	0630Z Sun.
South Pole	KC4AAA	14285±	0230Z
South Shetlands	HFØPOL	28015±	1430Z
Suriname	PZ1DY	14035±	0100Z
Suriname	PZ1DY	14026	0000Z
Tajikistan	UJ8JI	7003	1400Z
Zambia	9J2BO	7005±	0410Z
Zimbabwe	Z21HS	7007±	0330Z